Cooling mode: Table.1

Information requirements for air-to-air conditioners

Test matching indoor units form, Duct : 2×MI2-28T2*+2×MI2-45T2*;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit		
Rated cooling capacity	P _{rated,c}	14.2	kW		Seasonal space cooling energy efficiency	η _{s,c}	221.8	%		
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency/auxili energy factor for part load at given outdoor temperatures T _j						
T _j =+35°C	P _{dc}	14.206	kW		T _j =+35°C	EERd	2.31			
T _j =+30°C	P _{dc}	10.193	kW		T _j =+30°C	EERd	4.3	1		
T _j =+25°C	P _{dc}	6.758	kW		T _j =+25°C	EER _d	7.49	1		
T _j =+20°C	P _{dc}	5.286	kW		T _j =+20∘C	EERd	12.21	1		
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_							
	Power consumption in modes other than "active mode"									

Oli filode	FOFF	0.015	KVV		Crankcase neater mode	r CK	0.01	KVV
Thermosat-off mode	P _{TO}	0.057	kW		Standby mode	P_{SB}	0.015	kW
			(Other item	ns .			
Capacity control		varia	ble	1	For air-to-air air conditioner:air	ı	5000	m³/h

Capacity control	variable			For air-to-air air conditioner:air flow rate,outdoor measured	=	5000	m³/h
Sound power level,outdoor	L _{WA}	71	dB				
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)				

(*)If Cdc is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer



Heating mode: Table.2

Information requirements for heat pumps

Model(s): MDV-V140W/DN1(C); Test matching indoor units form, Duct : 2×MI2-28T2*+2×MI2-45T2*;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	P _{rated,h}	16.2	kW		Seasonal space heating energy efficiency	ηs,h	171.8	%	
Declared heating capacity for part load at indoor teperature $20^\circ\!\text{C}$ and outdoor temperatures T_j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j				
T _j =-7°C°	P _{dh}	7.925	kW		T _j =-7	COPd	2.65		
T _j =+2∘C	P _{dh}	4.804	kW		T _j =+2	COPd	4.06	-	
T _j =+7∘C	P _{dh}	3.45	kW		T _j =+7	COPd	6.02		
T _j =+12°C	P _{dh}	3.597	kW		T _j =+12	COPd	7.8		
T _{biv} =bivalent temperature	P _{dh}	8.312	kW		T _{biv} =bivalent temperature	COPd	2.65		
T _{OL} =operation temperature	P _{dh}	7.925	kW		T _{OL} =operation temperature	COPd	2.36		
Bivalent temperature	T _{biv}	-7	°C						
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_						
Power consumption in me	odes other	than "active r	node"		Supple	mentary heater			
Off mode	Poff	0.015	kW		Back-up heating capacity(*)	elbu	0.9	kW	
Thermosat-off mode	P _{TO}	0.009	kW		Type of energy input				
Crankcase heater mode	P _{CK}	0.010	kW		Standby mode	P _{SB}	0.015	kW	
			C	ther items	3				
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	-	5000	m³/h	
Sound power level,outdoor	L _{WA}	71	dB						
GWP of the refrigerant		2088	kgCO _{2 eq} (100years)						
Contact details									

(**) If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of performance of the outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Cooling mode: Table.1

Information requirements for air-to-air conditioners

Model(s): MDV-V140W/DN1(C);

Test matching indoor units form, cassette: 2×MI2-28Q4*x2+2×MI2-45Q4*;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

f applicable:driver of compressor:electric motor

If applicable:driver of cor	npressor:e	lectric motor						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	14.0	kW		Seasonal space cooling energy efficiency	η _{s,c}	236.6	%
Declared cooling capacity for part load at given outdoor temperatures T _j and indoor 27/19°C (dry/wet bulb)					Declared energy efficiency ra energy factor for part load			
T _j =+35°C	P _{dc}	13.99	kW		T _j =+35°C	EERd	3.07	
T _j =+30∘C	P _{dc}	10.482	kW		Tj=+30°C	EERd	5.65	
T _j =+25°C	P _{dc}	6.783	kW		T _j =+25°C	EERd	7.5	
T _j =+20°C	P _{dc}	5.6	kW		T _j =+20°C	EERd	10.01	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
		F	Power consumption in	modes o	ther than "active mode"			
Off mode	P _{OFF}	0.016	kW		Crankcase heater mode	P _{CK}	0.010	kW
Thermosat-off mode	P _{TO}	0.073	kW		Standby mode	P_{SB}	0.016	kW
			C	ther item				
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	-	5000	m ³ /h
Sound power level,outdoor	L _{WA}	71	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					

Contact details

(*)If Cdc is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer



Heating mode: Table.2

Information requirements for heat pumps

Model(s): MDV-V140W/DN1(C);

Test matching indoor units form, cassette: 2×MI2-28Q4*x2+2×MI2-45Q4*;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Idication if the heater is equipped with a supplementary heater:no

If applicable:driver of compressor:electric motor

Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	P _{rated,h}	16.0	kW		Seasonal space heating energy efficiency	η s,h	175.4	%	
Declared heating capacity for part load at indoor teperature 20 °C and outdoor temperatures T _j					Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj				
T _j =-7∘C	P _{dh}	8.158	kW		Tj=-7°C	COP _d	2.6	-	
T _j =+2∘C	P _{dh}	5.477	kW		T _j =+2°C	COPd	4.34	-	
T _j =+7∘C	P _{dh}	3.54	kW		Tj=+7°C	COPd	5.73		
T _j =+12°C	P _{dh}	43.497	kW		T _j =+12°C	COPd	8.68	-	
T _{biv} =bivalent temperature	P _{dh}	8.158	kW		T _{biv} =bivalent temperature	COPd	2.6	-	
T _{OL} =operation temperature	P _{dh}	8.846	kW		T _{OL} =operation temperature	COPd	2.6	-	
Bivalent temperature	T _{biv}	-7	∘⊂						
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_						
Power consumption in me	odes other	than "active r	node"		Supple	mentary heater			
Off mode	P _{OFF}	0.016	kW		Back-up heating capacity(*)	elbu	0.4	kW	
Thermosat-off mode	P _{TO}	0.011	kW		Type of energy input				
Crankcase heater mode	P _{CK}	0.010	kW		Standby mode	P _{SB}	0.016	kW	
			C	Other item	S				
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	-	5000	m³/h	
Sound power level,outdoor	L _{WA}	71	dB						
GWP of the refrigerant		2088	kgCO _{2 eq} (100years)						
Contact details					<u> </u>				

*)

(**)If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer